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US-10-049-868a-1 (1-359) x US-09-171-945-17 (1-235)

Qy      1 GACATTGAGCTCACCCAGTCTCCAGCAATCATGTCTGCATCTCCAGGGGAGAAGGTCACC 60
          ||||||||||||||||||||
Db     23 AAGATTGAGCTCACCCAGTCTCCAGCAATCATGTCTGCATCTCCAGGGGAGAAGGTCACC 60

Qy     61 ATGACCTGCAGTGCCAGTTCAAGTGTAGTTAATTACATGCACTGGTTCCAGCAGAAGTCGGGGC 120
          :::||||||||||||||||||||||||||:||
Db     43 IleThrCysSerAlaSerSerValThrTyrMetHisTrpPheGlnGlnLysProGly 62

Qy    121 ACCTTCCCAAAAAGAAGGATTTATGACACATCCAAACTGGCTTCTTGAGTCCCTGCTGC 180
          ||||
Db     53 ThrSerProLysLeuTrpIleTyrSerThrSerAsnLeuAlaSerGlyValProAlaArg 82

Qy    181 CTCAGTGGCAGTGGGTCTCCGGACAGAATTCACCCTGGAAAATCAGTAGTGAGGCTGAG 240
          |||:::|||
Db     83 PheSerGlySerGlyThrSerTyrSerLeuThrIleSerArgMetGluAlaGlu 102

Qy    241 GAGTGGGGTGTGTGTATTACTGTGCAACAACTTGTAGAGTATCCGCTCACGTTGGTGGTGGG 300
          :::|||||||||||||||
Db    103 AspAlaAlaThrTyrTyrCysGlnGlnArgSerThrTyrProLeuThrPheGlyAlaGly 122

Qy    301 ACCAAGCTGGAGCTGAAACGGGCTGATGCTCCACCAACTGTATCCATCTTC 351
          |||||||||||:::|||
Db    123 ThrLysLeuGluLeuLysArgThrValAlaAlaAlaProSerValPheIlePhe 139
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RESULT 2
; Patent No. 5455030
; APPLICANT: LADNER, ROBERT C.;BIRD, ROBERT E.;HARDMAN, KARL
; TITLE OF INVENTION: IMMUNOTHERAPY USING SINGLE CHAIN
; POLYPEPTIDE BINDING MOLECULES
; NUMBER OF SEQUENCES: 24
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/40,440
;   FILING DATE: 1-APR-1993
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 512,910
;   FILING DATE: 25-APR-1990
;   APPLICATION NUMBER: 299,617
;   FILING DATE: 19-JAN-1989
;   APPLICATION NUMBER: 92,110
;   FILING DATE: 02-SEP-1987
;   APPLICATION NUMBER: 902,971
;   FILING DATE: 01-SEP-1986
; SEQ ID NO:3:
; LENGTH: 215

5455030-3

US-10-049-868a-1 (1-359) x 5455030-3 (1-215)

Alignment Scores:
Pred. No.:
Score: 3.01e-45
Percent Similarity: 445.00
Best Local Similarity: 82.76%
Query Match: 77.59%
DB: 66.02%

Length: 215
Matches: 90
Conservative: 6
Mismatches: 18
Indels: 2
Gaps: 1

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Qy     10 CTCACCCAGTCTCCAGCAATCATGTCTGCATCTCCAGGGGAGAAGGTCACCATGACCTGC 69
          |||||||||||||||||||||||||||||||||||||||||||
Db      4 LeuThrGlnSerProAlaIleMetSerAlaSerProGlyGluLysValThrMetThrCys 23

Qy     70 AGTGCCAGTTCAAGTGTT-----AATTACATGCACTGGTTCCAGCAGAAGTCGGGGCACC 123
          |||||||||||||||         ||:|||||||||||||||||||||||||||||
Db     24 ArgAlaSerSerSerValSerSerTyrLeuHisTrpPheGlnGlnLysSerGlyAla 43

Qy    124 TTCCCAAAAGAAGGATTTATGACACATCCAAACTGGCTTCTTGGAGTCCCTGCTGCCTC 183
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Db     44 SerProLysLeuTrpIleTyrSerThrSerAsnLeuAlaSerGlyValProAlaArgPhe 63

Qy    184 AGTGGCAGTGGGTCTCGGGACAGAATTCACCCTGGAGAAATCAGTAGTGAGGCTGAGGAT 243
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OM protein - protein search, using sw model

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                               GenCore version 5.1.6
                               Copyright (c) 1993 - 2004 Compugen Ltd.

Run on:           October 13, 2004, 12:49:03 ; Search time 28.2625 Seconds
                                              (without alignments)
                                              279.234 Million cell updates/sec

Title:            US-10-049-868A-3
Perfect score:    606
Sequence:         1 DIELTQSPAIMSASPGEKVT.........GTKLELKRADAAPTVSIFKL 119

Scoring table:    BLOSUM62
                  Gapop 10.0 , Gapext 0.5

Searched:         478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters:    478139

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :
      1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
      2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
      3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
      4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
      5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
      6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*
         Issued_Patents AA:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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SUMMARIES

Result No.	Score	% Query Match	Match Length	DB	ID	Description
1	458	75.6	235	3	US-09-171-945-17	Sequence 17, Appl
2	445	73.4	215	6	5455030-3	Patent No. 5455030
3	445	73.4	235	2	US-08-303-569B-5	Sequence 5, Appl
4	445	73.4	235	2	US-08-116-247-5	Sequence 5, Appli
5	445	73.4	235	4	US-09-795-515-5	Sequence 5, Appli
6	445	73.4	235	4	US-09-348-224-5	Sequence 5, Appli
7	444	73.3	255	3	US-09-553-498-8	Sequence 8, Appli
8	444	73.3	255	4	US-09-618-869-8	Sequence 8, Appli
9	443.5	73.2	213	3	US-08-737-129A-4	Sequence 4, Appli
10	439	72.4	108	2	US-09-171-945-9	Sequence 9, Appli
11	427	70.5	256	4	US-09-526-738A-2	Sequence 2, Appli
12	427	70.5	258	4	US-09-526-738A-4	Sequence 4, Appli
13	426	70.3	270	2	US-08-552-507-2	Sequence 2, Appli
14	426	70.3	553	2	US-08-661-052-16	Sequence 16, Appl
15	426	70.3	553	2	US-09-188-082-16	Sequence 16, Appl
16	426	70.3	553	3	US-09-364-088-16	Sequence 16, Appl
17	426	70.3	553	3	US-09-102-716-16	Sequence 16, Appl
18	425	70.1	223	3	US-08-190-199A-63	Sequence 63, Appl
19	425	70.1	235	3	US-09-423-439-58	Sequence 58, Appl
20	425	70.1	235	4	US-09-011-769A-23	Sequence 23, Appl
21	425	70.1	236	2	US-08-190-199A-65	Sequence 65, Appl
22	424	70.0	222	2	US-08-190-199A-67	Sequence 67, Appl
23	424	70.0	235	2	US-08-190-199A-61	Sequence 61, Appl
24	420	69.3	106	2	US-08-956-047-33	Sequence 33, Appl
25	420	69.3	128	2	US-08-956-047-31	Sequence 31, Appl
26	420	69.3	240	2	US-08-956-047-25	Sequence 25, Appl
27	420	69.3	281	3	US-09-423-439-44	Sequence 44, Appl
28	420	69.3	408	1	US-09-423-439-51	Sequence 51, Appl
29	417	68.8	108	3	US-09-948-004-28	Sequence 28, Appl
30	417	68.8	495	4	US-09-948-004-18	Sequence 18, Appl
31	414	68.3	103	1	US-08-467-393-4	Sequence 4, Appli
32	414	68.3	144	4	US-09-318-786-29	Sequence 29, Appli
33	413	68.2	129	3	US-08-116-778E-2	Sequence 2, Appli
34	413	68.2	129	2	US-08-438-562-2	Sequence 2, Appli
35	413	68.2	129	2	US-08-483-528B-92	Sequence 92, Appli
36	413	68.2	242	2	US-08-553-497A-28	Sequence 28, Appli
37	410.5	67.7	107	2	US-07-942-245-3	Sequence 3, Appli
38	409.5	67.6	107	3	US-07-836-061-33	Sequence 33, Appli
39	409.5	67.6	110	4	US-09-434-122-33	Sequence 33, Appli
40	409	67.5	106	3	US-09-397-411-9	Sequence 9, Appli
41	409	67.5	106	4	US-08-463-163-3	Sequence 3, Appli
42	408	67.3	106	1	US-08-308-494A-19	Sequence 19, Appli
43	408	67.3	106	2	US-07-634-278-1	Sequence 1, Appli
44	408	67.3	106	2	US-07-634-278-16	Sequence 16, Appli
45	408	67.3	106	1	US-08-477-728-1	Sequence 1, Appli

ALIGNMENTS

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RESULT 1
US-09-171-945-17
; Sequence 17, Application US/09171945
; Patent No. 6277599
; GENERAL INFORMATION:
;  APPLICANT: Emery, Stephen
;  APPLICANT: Copley, Clive Graham
;  APPLICANT: Edge, Michael Derek
;  TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said
;  TITLE OF INVENTION: Antibody, and Their Therapeutic Use in an Adept System
;  FILE REFERENCE: Monoclonal Antibody to CEA
;  CURRENT APPLICATION NUMBER: US/09/171,945
;  CURRENT FILING DATE: 1998-10-29
;  PRIOR APPLICATION NUMBER: GB9703103.3
;  PRIOR FILING DATE: 1997-02-14
;  PRIOR APPLICATION NUMBER: GB9609405.7
;  PRIOR FILING DATE: 1996-05-04
;  PRIOR APPLICATION NUMBER: PCT/GB97/01165
;  PRIOR FILING DATE: 1997-04-29
;  NUMBER OF SEQ ID NOS: 131
;  SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 17
;  LENGTH: 235
;  TYPE: PRT
;  ORGANISM: Artificial Sequence
;  FEATURE:
;  OTHER INFORMATION: Description of Artificial Sequence: humanized
US-09-171-945-17

  Query Match       75.6%;  Score 458;  DB 3;  Length 235;
  Best Local Similarity   76.9%;  Pred. No. 1.2e-41;
  Matches   90;  Conservative   8;  Mismatches   19;  Indels   0;  Gaps   0;

Qy    1 DIELTQSPAIMSASPGEKVTMTCSASSSVNYMWHWFQQESGTPKRRIYDTSKLASGVPAR 60
         ||||||||||||||||||||:|||||| |||||| ||||||||||||:||:||:|||||||
Db   23 DIELTQSPAIMSASPGEKVTITCSASSSVTYMHWFQQKPGTSPKLWIYSTSNLASGVPAR 82

Qy   61 LSGSGSGTEFTLEISRVKAEDVGVYYCQQLVEYPLTFGAGTKLELKRADAAPTVSIF 117
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Db   83 FSGSGSGTSYSLTISRMEADAATYCQQRSTYPLTFGAGTKLEIKRTVAAPSVFIF 139

RESULT 2
5455030-3
; Patent No. 5455030
;  APPLICANT: LADNER, ROBERT C.;BIRD, ROBERT E.;HARDMAN, KARL
;  TITLE OF INVENTION: IMMUNOTHERAPHY USING SINGLE CHAIN
;  TITLE OF INVENTION: POLYPEPTIDE BINDING MOLECULES
;  NUMBER OF SEQUENCES: 24
;  CURRENT APPLICATION DATA:
```

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  APPLICATION NUMBER: US/08/40,440
    FILING DATE: 1-APR-1993
    PRIOR APPLICATION DATA:
    APPLICATION NUMBER: 512,910
      FILING DATE: 25-APR-1990
    APPLICATION NUMBER: 299,617
      FILING DATE: 19-JAN-1989
    APPLICATION NUMBER: 92,110
      FILING DATE: 02-SEP-1987
    APPLICATION NUMBER: 902,971
      FILING DATE: 01-SEP-1986
;  SEQ ID NO:3:
5455030-3
    LENGTH: 215
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Query Match            73.4%;   Score 445;   DB 6;   Length 215;
Best Local Similarity  77.6%;   Pred. No. 2.8e-40;
Matches 90; Conservative 6; Mismatches 18; Indels 2; Gaps 1;

Qy    4 LTQSPAIMSASPGEKVTMTCSASSSV--NYMHWFQQESGTFPKRIYDTSKLASGVPARL 61
          |||||||||||||||||||||||||   :|||||||||||||||||||||||||||
Db    4 LTQSPAIMSASPGEKVTMTCRASSSVSSSYLHWFQQKSGASPKLWIYSTSNLASGVPARF 63

Qy   62 SGSGSGTEFTLEISRVKAEDVGVYYCQQLVEYPLTFGAGTKLELKRADAAPTVSIF 117
          |||||:|:||  ::||||||||||||||||||||||||||||||||
Db   64 SGSGSGTSYSLTISSVEAEDAATYYCQQYSGYPLTFGAGTKLELKRADAAPIVSIF 119
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RESULT 3
US-08-303-569B-5
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; Sequence 5, Application US/08303569B
; Patent No. 5859205
; GENERAL INFORMATION:
; APPLICANT: Adair, John R.
; APPLICANT: Athwal, Diljeet S.
; APPLICANT: Emtage, John S.
; TITLE OF INVENTION: Humanised Antibodies
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5859205ris
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/303,569B
; FILING DATE: 07-SEP-1994
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Trujillo, Doreen Yatko
; REGISTRATION NUMBER: 35,719
; REFERENCE/DOCKET NUMBER: CARP-0032
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 235 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-303-569B-5
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Query Match            73.4%;   Score 445;   DB 2;   Length 235;
Best Local Similarity  75.0%;   Pred. No. 3.1e-40;
Matches 87; Conservative 10; Mismatches 19; Indels 0; Gaps 0;

Qy    2 IELTQSPAIMSASPGEKVTMTCSASSSVNYMHWFQQESGTFPKRIYDTSKLASGVPARL 61
          |||||||||||||||||||||||||   |||||||||||||||||||||||||||||
Db   24 IVLTQSPAIMSASPGEKVTMTCRASSSVSSSYLHWFQQKSGTSPKLWIYSTSNLASGVPAHF 83

Qy   62 SGSGSGTEFTLEISRVKAEDVGVYYCQQLVEYPLTFGAGTKLELKRADAAPTVSIF 117
          |||||:|:||  ::||||||||||||||||||||||||||||||||
Db   84 RGSGSGTSYSLTISGMEAEDAATYYCQQWSSNPFTFGSGTKLEINRADTRAPTVSIF 139
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RESULT 4
US-08-116-247-5
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; Sequence 5, Application US/08116247
; Patent No. 5929212
; GENERAL INFORMATION:
; APPLICANT: Jolliffe, Linda K.
; APPLICANT: Zivin, Robert A.
; APPLICANT: Adair, John R.
; APPLICANT: Athwal, Diljeet S.
; TITLE OF INVENTION: CD3 Specific Recombinant Antibody
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5929212ris
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/116,247
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/743,377
; FILING DATE: 10-OCT-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Paintin, Francis A.
; REGISTRATION NUMBER: 19,386
; REFERENCE/DOCKET NUMBER: CARP-0011
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 235 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-116-247-5
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Query Match            73.4%;   Score 445;   DB 2;   Length 235;
Best Local Similarity  75.0%;   Pred. No. 3.1e-40;
Matches 87; Conservative 10; Mismatches 19; Indels 0; Gaps 0;

Qy    2 IELTQSPAIMSASPGEKVTMTCSASSSVNYMHWFQQESGTFPKRIYDTSKLASGVPARL 61
          ||||||||||||||||||||||||||  :|||||||||||||||||||||||||||||
Db   24 IVLTQSPAIMSASPGEKVTMTCRASSSVSYSMNVYQQKSGTSPKRWIYDTSKLASGVPAHF 83

Qy   62 SGSGSGTEFTLEISRVKAEDVGVYYCQQLVEYPLTFGAGTKLELKRADAAPTVSIF 117
          |||||:|:||  ::||||||||||||||||||||||||||||||||
Db   84 RGSGSGTSYSLTISGMEAEDAATYYCQQWSSNPFTFGSGTKLEINRADTRAPTVSIF 139
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RESULT 5
US-09-795-515-5
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; Sequence 5, Application US/09795515
; Patent No. 6632927
; GENERAL INFORMATION:
; APPLICANT: Adair, John R.
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;         STRANDEDNESS: single
;         TOPOLOGY: linear

US-08-973-518-4

Alignment Scores:
Pred. No.:
Score:                          8.92e-59
Percent Similarity:             531.50          Length:         140
Best Local Similarity:          88.43%          Matches:        103
Query Match:                    85.12%          Conservative:   4
DB:                             78.97%          Mismatches:     13
                                                Indels:         1
                                                Gaps:           1

US-10-049-868A-2 (1-363) x US-08-973-518-4 (1-140)

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Qy     61   ACTTGCACTGTCTCTGGGATTTCATTAAACAGATATGGTGTACACTGGGTTCGCCAGCCT   120
Db     41   ThrCysThrValSerGlyPheSerLeuThrSerTyrGlyValHisTrpValArgGlnPro   60
Qy    121   CCAGGAAAGGGTCTGGAGTGGCTGGGAGTGATAAATAGTGGAAGACAAAATATAATAAT   180
Db     61   ProGlyLysGlyLeuGluTrpLeuGlyValIleTrpAlaGlyGlySerIleAsnTyrAsn   80
Qy    181   TCGGCTCTCAATCTCCAGACTGAGACATCAGCAAAGACAACTCCAAGAGCCAAGTTTTCTTA   240
Db     81   SerAlaLeuMetSerArgLeuSerIleSerLysAspAsnPheLysSerGlnValPheLeu   100
Qy    241   AAAATGAACAGTCTGCAGACTGATGACACAGCCATGTACTACTGTGCCAGAGATCGATCT   300
Db    101   LysMetAsnSerLeuGlnThrAspAspThrAlaMetTyrTyrCysAlaArgAlaTyrGly   120
Qy    301   ACTATGATTACGGCCTATGGCTATGGACTACTGGGGCCAAGGGACCACGGTCACCGTCTCC   360
Db    121   AspTyrVal--HisTyrAlaMetAspTyrTrpGlyGlnGlyThrSerValThrAlaSer   139
Qy    361   TCA   363
Db    140   Ser   140

RESULT 9
;Patent No. 5455030
545S030-15
;APPLICANT: LADNER, ROBERT C.;BIRD, ROBERT E.;HARDMAN, KARL
TITLE OF INVENTION: IMMUNOTHERAPY USING SINGLE CHAIN
;POLYPEPTIDE BINDING MOLECULES
NUMBER OF SEQUENCES: 24
CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:     US/08/40,440
        FILING DATE: 1-APR-1993
PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:     512,910
        FILING DATE: 25-APR-1990
;       APPLICATION NUMBER:     299,617
        FILING DATE: 19-JAN-1989
;       APPLICATION NUMBER:     92,110
        FILING DATE: 02-SEP-1987
;       APPLICATION NUMBER:     902,971
        FILING DATE: 01-SEP-1986
;SEQ ID NO:15:
;       LENGTH: 242

Alignment Scores:
Pred. No.:
Score:                          2.02e-58
Percent Similarity:             529.50          Length:         242
Score:                          90.00%          Matches:        103
Best Local Similarity:          85.83%          Conservative:   5
Query Match:                    78.68%          Mismatches:     11
DB:                             6               Indels:         1
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US-10-049-868A-2 (1-363) x 5455030-15 (1-242)

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Db    124   ValGlnLeuLysGluSerGlyProGlyLeuValAlaProSerGlnSerLeuThr   143
Qy    124   GGAAAGGGTCTGGAGTGGCTGGGAGTGATAAATAGTGGAAGACAAAATATAATAATTCG   183
Db    144   CysThrValSerGlyPheSerLeuThrSerTyrGlyValHisTrpValArgGlnProPro   163
Qy    184   GCTCTCAATCTCCAGACTGAGACATCAGCAAAGACAACTCCAAGAGCCAAGTTTTCTTAAAA   243
Db    164   GlyLysGlyLeuGluTrpLeuGlyValIleTrpAlaGlyGlySerIleAsnTyrAsnSer   183
Qy    244   ATGAACAGTCTGCAGACTGATGACACAGCCATGTACTACTGTGCCAGAGATCGATCTACT   303
Db    184   AlaLeuMetSerArgLeuSerIleSerLysAspAsnPheLysSerGlnValPheLeuLys   203
Qy    304   ATGATTACGGCCTATGGCTATGGACTACTGGGGCCAAGGGACCACGGTCACCGTCTCCTCA   363
Db    204   MetAsnSerLeuGlnIleAspAspThrAlaMetTyrTyrCysAlaArgAlaTyrGly   222
Qy          ArgIlePheTyrTyrAlaMetAspTyrTrpGlyGlnGlyThrSerValThrValSerSer   242
Db    223

RESULT 10
US-08-881-037-67
;Patent No. 6080588
;Sequence 67, Application US/08881037
GENERAL INFORMATION:
;       APPLICANT: Glick, Gary D.
;       APPLICANT: Swanson, Patrick C.
;       TITLE OF INVENTION: DNA BINDING ANTIBODIES
;       NUMBER OF SEQUENCES: 113
CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:     US/08/881,037
        FILING DATE: 23-JUN-1997
PRIOR APPLICATION DATA:
;       CLASSIFICATION: 530
;       APPLICATION NUMBER:     US 08/443,540
        FILING DATE: 18-MAY-1995
;       CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
;       NAME: Konski, Antoinette F.
;       REGISTRATION NUMBER: 34,202
        REFERENCE/DOCKET NUMBER: 2034421107010
TELECOMMUNICATION INFORMATION:
;       TELEPHONE: (650) 813-5600
;       TELEFAX: (650) 494-0792
;       TELEX:
CORRESPONDENCE ADDRESS:
;       ADDRESSEE: Morrison & Foerster
;       STREET: 755 Page Mill Road
;       CITY: Palo Alto
;       STATE: CA
;       COUNTRY: USA
;       ZIP: 94304-1018
COMPUTER READABLE FORM:
;       MEDIUM TYPE: Floppy disk
;       COMPUTER: IBM PC compatible
;       OPERATING SYSTEM: PC-DOS/MS-DOS
;       SOFTWARE: Patentin Release #1.0, Version #1.30
INFORMATION FOR SEQ ID NO: 67:
SEQUENCE CHARACTERISTICS:
;       LENGTH: 121 amino acids
;       TYPE: amino acid
;       STRANDEDNESS: single
;       TOPOLOGY: linear

US-08-881-037-67

Alignment Scores:
Pred. No.:                      4.84e-58          Length:         121
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Qy    121 S 121
Db    140 S 140
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RESULT 9
5455030-15
Patent No. 5455030
APPLICANT: LADNER, ROBERT C.;BIRD, ROBERT E.;HARDMAN, KARL
TITLE OF INVENTION: IMMUNOTHERAPY USING SINGLE CHAIN
POLYPEPTIDE BINDING MOLECULES
NUMBER OF SEQUENCES: 24
CURRENT APPLICATION DATA:
   APPLICATION NUMBER: US/08/40,440
   FILING DATE: 1-APR-1993
PRIOR APPLICATION DATA:
   APPLICATION NUMBER: 512,910
   FILING DATE: 25-APR-1990
   APPLICATION NUMBER: 299,617
   FILING DATE: 19-JAN-1989
   APPLICATION NUMBER: 92,110
   FILING DATE: 02-SEP-1987
   APPLICATION NUMBER: 902,971
   FILING DATE: 01-SEP-1986
SEQ ID NO:15:
   LENGTH: 242
5455030-15

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Query Match   83.4%;  Score 529.5;  DB 6;  Length 242;
Best Local Similarity  85.8%;  Pred. No. 5.7e-47;
Matches 103;  Conservative  5;  Mismatches 11;  Indels  1;  Gaps  1;

Qy      2 VQLQESGPGLVAPSQSLSITCTVSGISLSNRYGVHWVRQPPGKGLEWLGVIWTGGSTNYNS  61
            :|||:|||||||||||||||||||||||:||:|:||||||||||||||||||||:||:|||
Db    124 VQLKESGPVLVAPSQSLSITCTVSGFSLTNYGVHWVRQPPGKGLEWLGVIWAGGNTNYNS 183

Qy     62 ALMSRLSISKDNSKSQVFLKMNSLQTDDTAMYYCARDRSTMITAYAMDYWGQGTTVTVSS 121
           |||||||||||||||||||||||||:||||:|||||:|  :|:||:||||||||||:||||
Db    184 ALMSRLSISKDNSKSQVFLKMNSLQIDDTAIYYCAK-RLERIFYYAMDYWGQGTSVTVSS 242
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RESULT 10
US-08-881-037-67
Sequence 67, Application US/08881037
Patent No. 6080588
GENERAL INFORMATION:
   APPLICANT: Glick, Gary D.
   APPLICANT: Swanson, Patrick C.
   TITLE OF INVENTION: DNA BINDING ANTIBODIES
   NUMBER OF SEQUENCES: 113
   CORRESPONDENCE ADDRESS:
      ADDRESSEE: Morrison & Foerster
      STREET: 755 Page Mill Road
      CITY: Palo Alto
      STATE: CA
      COUNTRY: USA
      ZIP: 94304-1018
   COMPUTER READABLE FORM:
      MEDIUM TYPE: Floppy disk
      COMPUTER: IBM PC compatible
      OPERATING SYSTEM: PC-DOS/MS-DOS
      SOFTWARE: PatentIn Release #1.0, Version #1.30
   CURRENT APPLICATION DATA:
      APPLICATION NUMBER: US/08/881,037
      FILING DATE: 23-JUN-1997
      CLASSIFICATION: 530
   PRIOR APPLICATION DATA:
      APPLICATION NUMBER: US 08/443,540
      FILING DATE: 18-MAY-1995
      CLASSIFICATION: 530
   ATTORNEY/AGENT INFORMATION:
      NAME: Konski, Antoinette F.

REGISTRATION NUMBER: 34,202
REFERENCE/DOCKET NUMBER: 203442110710
TELECOMMUNICATION INFORMATION:
   TELEPHONE: (650) 813-5600
   TELEFAX: (650) 494-0792
   TELEX:
INFORMATION FOR SEQ ID NO: 67:
   SEQUENCE CHARACTERISTICS:
      LENGTH: 121 amino acids
      TYPE: amino acid
      STRANDEDNESS: single
      TOPOLOGY: linear
US-08-881-037-67

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Query Match   82.8%;  Score 525.5;  DB 3;  Length 121;
Best Local Similarity  86.0%;  Pred. No. 6.4e-47;
Matches 104;  Conservative  2;  Mismatches 14;  Indels  1;  Gaps  1;

Qy      1 QVQLQESGPGLVAPSQSLSITCTVSGISLSNRYGVHWVRQPPGKGLEWLGVIWTGGSTNYN  60
           |||| :|||:|||||||||||||||||:||:|:||||||||||||||||||||:|||||||
Db      1 QVQLLESGPVLVAPSQSLSITCTVSGFSLTSYGVHWVRQPPGKGLEWLGVIWAGGSTNYN  60

Qy     61 SALMSRLSISKDNSKSQVFLKMNSLQTDDTAMYYCARDRS-TMITAYAMDYWGQGTTVTV 119
           |||||||||||||||||||||||||:|||||||||||:|   ::  :|:||||||||:|||
Db     61 SALMSRLSISKDNSKSQVFLKMNSLQIDDTAMYYCAKHLPYGNYGYYAMDYWGQGTSVTV 120
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RESULT 11
US-08-667-769A-15
Sequence 15, Application US/08667769A
Patent No. 5783184
GENERAL INFORMATION:
   APPLICANT: Ames, Robert S.
   APPLICANT: Appelbaum, Edward R.
   APPLICANT: Chaiken, Irwin M.
   APPLICANT: Cock, Richard M.
   APPLICANT: Gross, Mitchell S.
   APPLICANT: Holmes, Stephen D.
   APPLICANT: McMillan, Lynnette J.
   APPLICANT: Theisen, Timothy W.
   TITLE OF INVENTION: Recombinant IL5 Antagonists Useful in
   TITLE OF INVENTION: Treatment of IL5 Mediated Disorders
   NUMBER OF SEQUENCES: 76
   CORRESPONDENCE ADDRESS:
      ADDRESSEE: SmithKline Beecham Corp./Corporate
      STREET: P.O. Box 1539-UW2220
      CITY: King of Prussia
      STATE: Pennsylvania
      COUNTRY: USA
      ZIP: 19406-0939
   COMPUTER READABLE FORM:
      MEDIUM TYPE: Floppy disk
      COMPUTER: IBM PC compatible
      OPERATING SYSTEM: PC-DOS/MS-DOS
      SOFTWARE: PatentIn Release #1.0, Version #1.30
   CURRENT APPLICATION DATA:
      APPLICATION NUMBER: US/08/667,769A
      FILING DATE:
      CLASSIFICATION: 424
   PRIOR APPLICATION DATA:
      APPLICATION NUMBER: PCT/US95/17082
      FILING DATE: 22-DEC-1995
   PRIOR APPLICATION DATA:
      APPLICATION NUMBER: US 08/470110
      FILING DATE: 06-JUN-1995
   PRIOR APPLICATION DATA:
      APPLICATION NUMBER: US 08/467420
      FILING DATE: 06-JUN-1995
   PRIOR APPLICATION DATA:

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Qy    120 S 120
Db    121 S 121
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